



Missouri Gypsy Moth Survey Report 2021

Annual Summary
Of The Missouri Cooperative
Gypsy Moth Survey Program

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54 YEARS OF GYPSY MOTH SURVEY IN MISSOURI!!

2021 Gypsy Moth Survey Results

A total of five (5) moths were reported from our multi-agency, statewide survey. The moths were all captured in the following county: St. Louis (5-Arnold, Eureka, Chesterfield, Des Peres, and Ballwin).

The moths were forwarded to the USDA OTIS lab for molecular testing and were found negative for Asian Gypsy moth.

Approximately 4,689 pheromone traps were placed around the state (43 of 114 counties) by all cooperators in the annual effort to detect the presence of this damaging insect pest. Primary trapping agencies were Missouri Department of Agriculture, Missouri Department of Conservation and USDA-APHIS-PPQ, with additional trapping conducted by U.S. Army and Missouri National Guard.

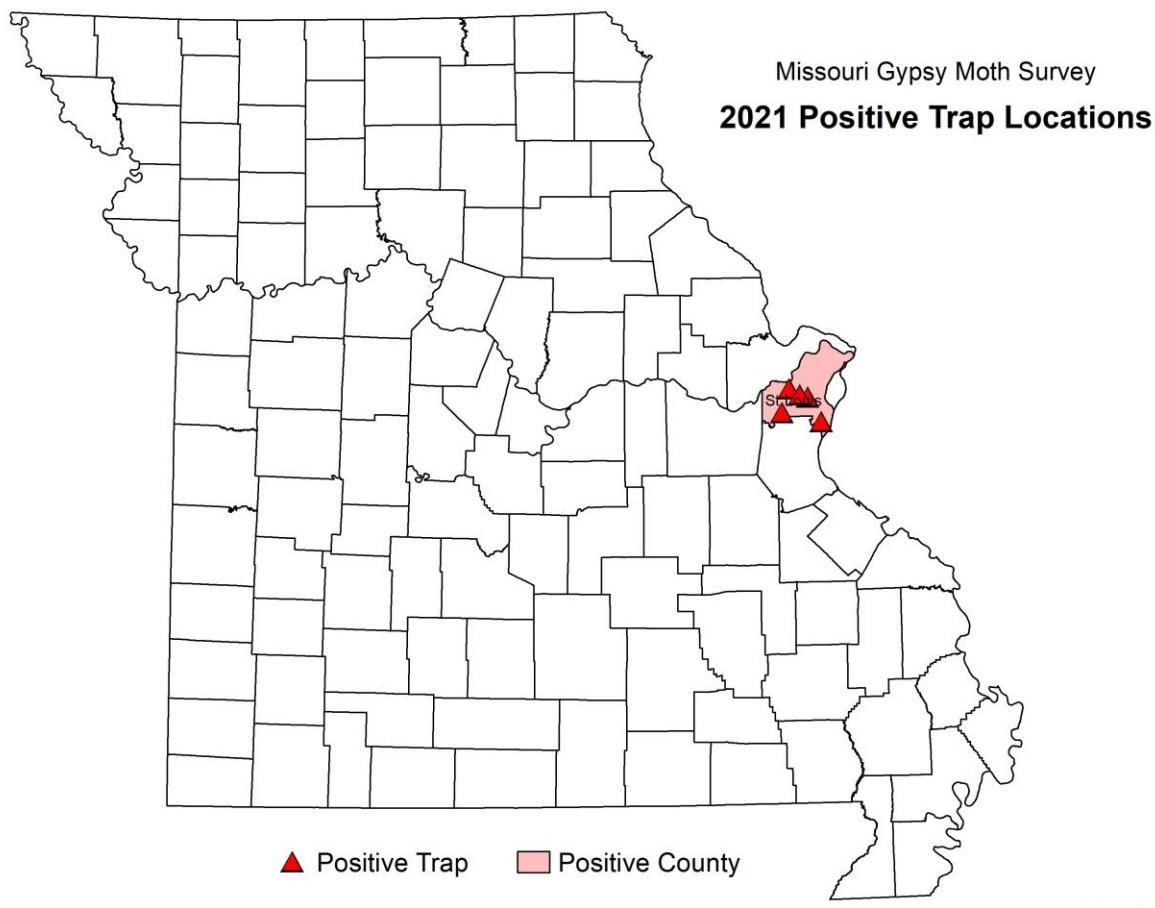


Figure 1. 2021 Missouri Gypsy Moth Positives

Missouri

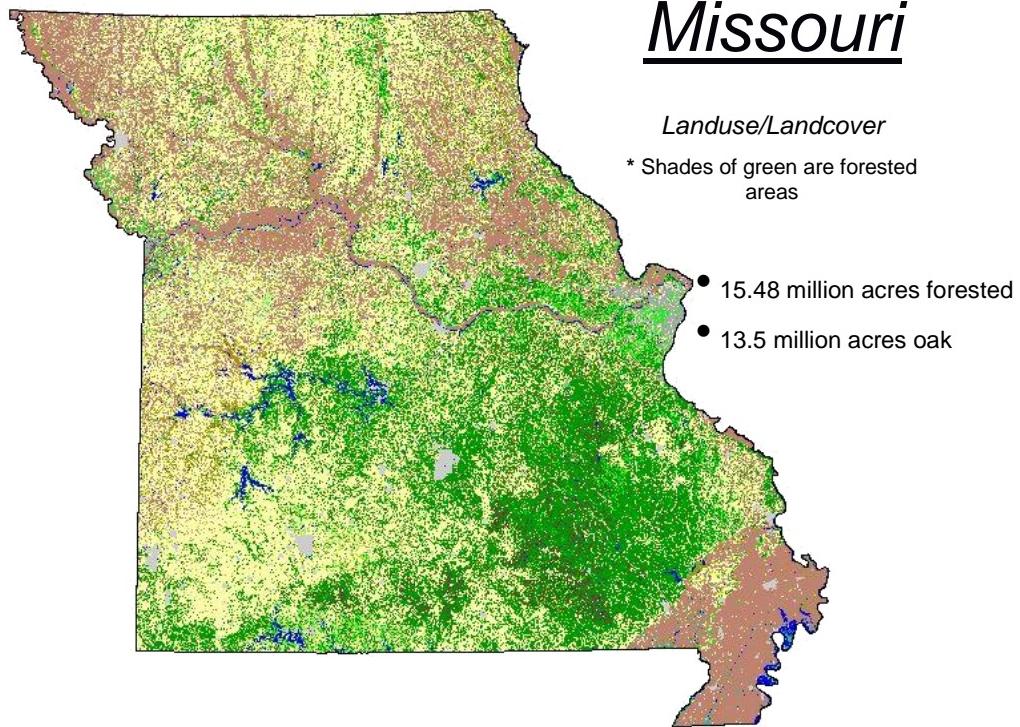


Figure 2. Missouri's Forested Area

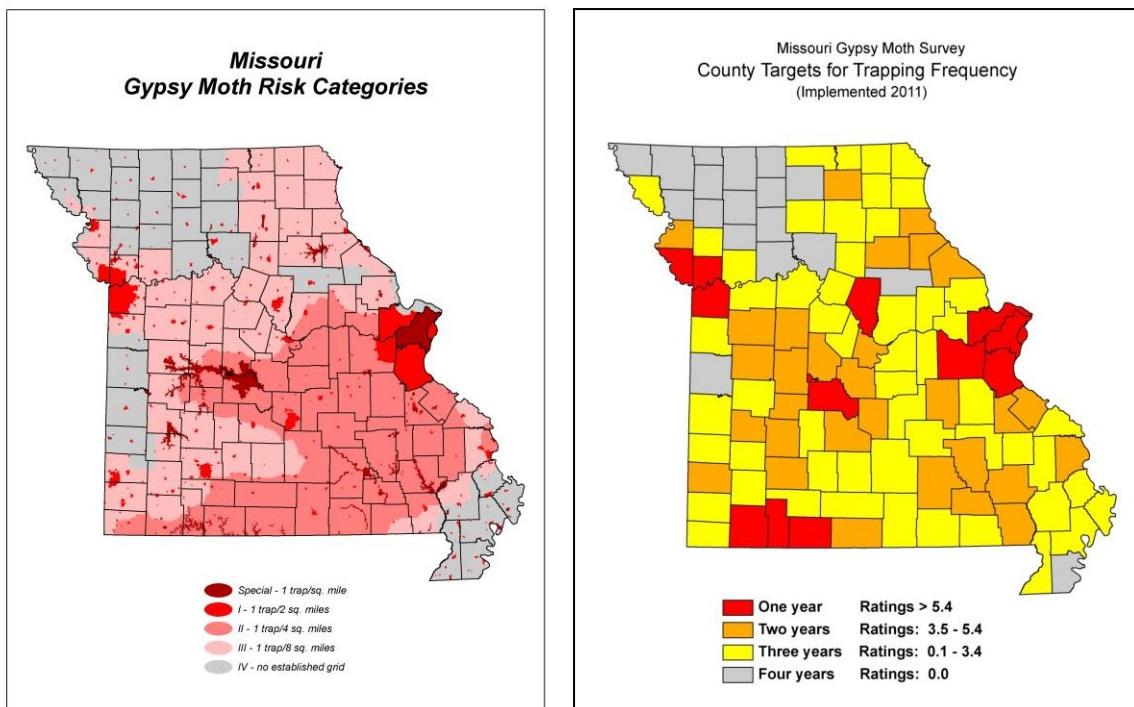
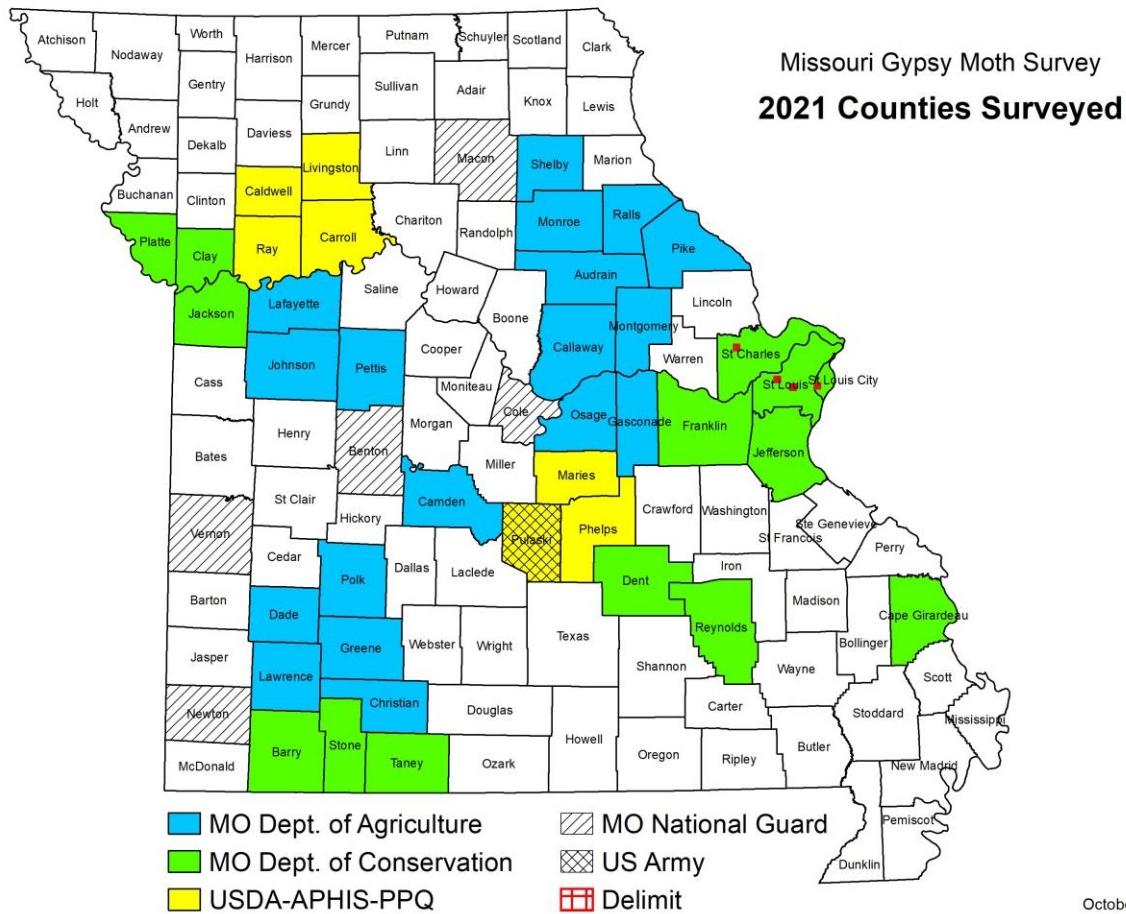


Figure 3. Gypsy Moth Risk Categories and Trap Densities (on left) and County Trapping Frequency (on right). Counties are surveyed every 1-4 years in the red areas indicated on the map on the left.



October 2021

Figure 4. Missouri Gypsy Moth Survey Agency Trapping Assignments for 2021
(43 Counties Surveyed (30-full survey and 13-partial survey))

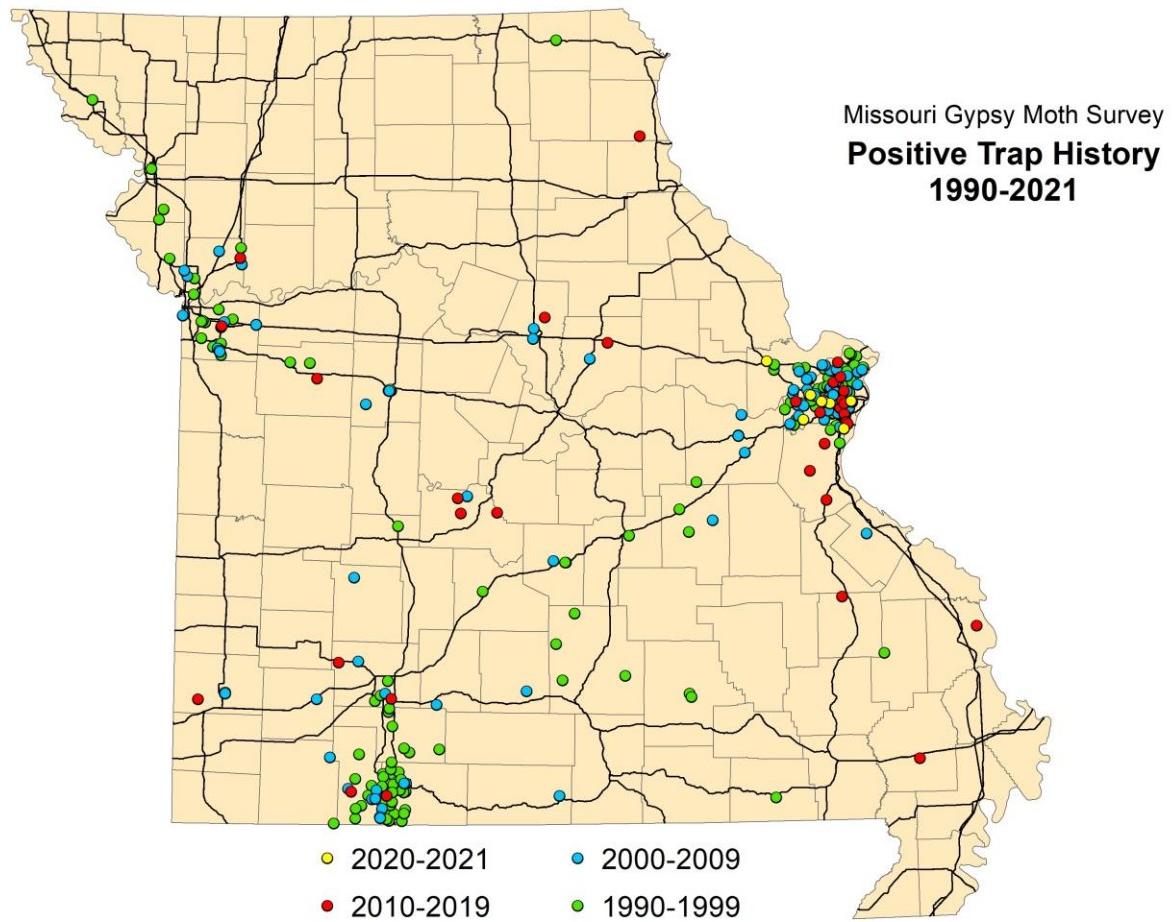


Figure 5. Gypsy moth captures 1990-2021

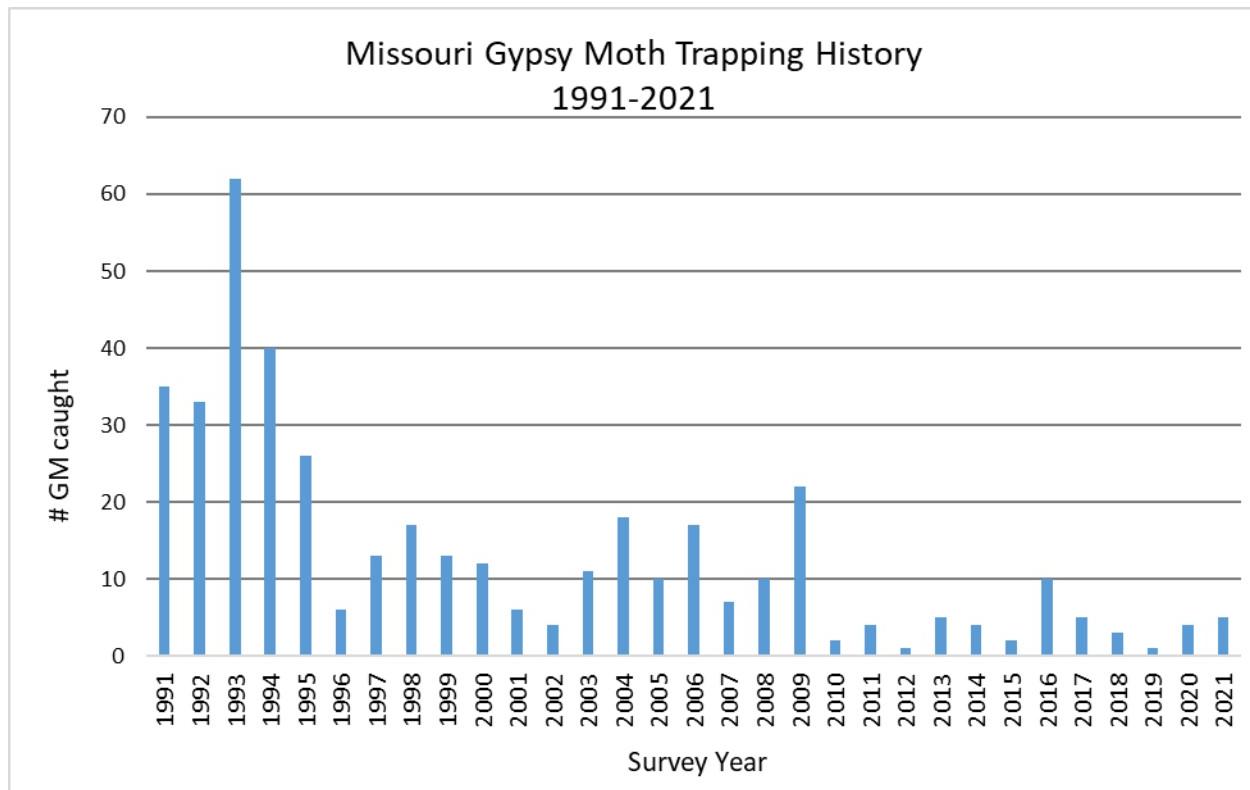


Figure 6. Historic Gypsy Moth Trapping Data in Missouri